Original/Duplicate/ Triplicate

CONTRACT CERTIFICATE

(For Other Works)

Final

No..... Date.....2021.

Division: **BBMP / YNK** Sub-Division: **Yelahanka Satellite town Sub – Division.**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 004-21-000007.**

Schedule Docket No. Head of Account: Est.Cost : **98.00** Lakhs B.R.No. :

Name of Work : Improvements to roads and drains at Sharada nagara in ward no-04 .

Name of Contractor and Full Address: **Sri Umesh N, No 31, Ammaji Enclave, 8th main, 10th cross, Maheshwarinagara, T Dasarahalli, Bangalore – 560057.**

Reference to Agreement No. EE(YNK.D)E-PMT- 09 /W.O/ 261 /2020-21 Date: 19-03-2021.

4955 01 02573

Certified that the measurements were taken by me on 25.05.2021 and recorded of Pages ..... To ..... of measurement Book No 4956 and that the work is satisfactorily executed.

Rameshgowda.

Contractor 25/05/2021 Officer-in-charge of work

Certified that the measurement were taken by me on .....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer.

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	
2) Deduct amount to be held in reserve being .....percent Rs.....	
3) " Balance	
4) Deduct Payment:	
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	
b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	
5) Balance being unpaid value of work done held in reserve.	
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7) Net amount due to or from Contractor unadjustments items.	
8) Advance to Contractor for materials brought to site (as detailed) within.	
9) Value of Government materials supplied.	
Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment **Executive Engineer**

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sl no	Description of work	Unit
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil involving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification As Per Engineer In-Charges	Cum
2	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) As Per Engineer In-Charges	Sqm
3	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications As Per Engineer In-Charges	Cum
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm As Per Engineer In-Charges	Cum
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) including cost of materials, labour, HOM complete as per specifications. MORTH Specification No. 1600 & 2200 As Per Engineer In-Charges	Tonne
6	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate) As Per Engineer In-Charges	Sqm
7	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications As Per Engineer In-Charges	Sqm
8	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications As Per Engineer In-Charges	Cum
9	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications As Per Engineer In-Charges	Sqm
10	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision As Per Engineer In-Charges	Cum
11	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications As Per Engineer In-Charges	Cum

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Measurment		Present Measurement			Total up-to date		Remark
Qty	cost	Qty	Rate	Cost	Qty	cost	
-	-	1398.41	137.80	192700.90	1398.41	192700.90	
-	-	197.10	111.30	21937.23	197.10	21937.23	
-	-	177.83	5509.33	979724.15	177.83	979724.15	
-	-	294.13	7189.42	2114624.10	294.13	2114624.10	
-	-	18.56	65046.90	1207270.46	18.56	1207270.46	
-	-	797.88	2337.00	1864645.56	797.88	1864645.56	
-	-	1059.20	95.40	101047.68	1059.20	101047.68	
-	-	46.94	952.94	44731.00	46.94	44731.00	
-	-	1373.60	6.36	8736.10	1373.60	8736.10	
-	-	159.24	1994.92	317671.06	159.24	317671.06	
-	-	244.17	2001.28	488652.54	244.17	488652.54	

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12	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed 2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) As Per Engineer In-Charges	Cum
13	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical	Sqm
14	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen As Per Engineer In-Charges	Cum
15	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications As Per Engineer In-Charges	Sqm
16	Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications As Per Engineer In-Charges	Sqm
17	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4 % VG-30 Bitumen As Per Engineer In-Charges	Cum
18	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. As Per Engineer In-Charges	Sqm
19	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loador,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications As Per Engineer In-Charges	Cum
20	Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road As Per Engineer In-Charges	t.km

Certificates:

The above work is done satisfactorily and complete in all respect.

There is no department Material Issue for the above work.

This works comes under BBMP Limit.

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-	-	47.02	5354.02	251746.02	47.02	251746.02	
-	-	1061.60	29.68	31508.29	1061.60	31508.29	
-	-	52.96	6407.70	339351.79	52.96	339351.79	
-	-	2035.89	5.30	10790.22	2035.89	10790.22	
-	-	2035.89	12.72	25896.52	2035.89	25896.52	
-	-	81.44	7355.34	599018.89	81.44	599018.89	
-	-	87.18	454.74	39644.23	87.18	39644.23	
-	-	1446.00	57.00	82422.00	1446.00	82422.00	
-	-	1446.00	12.80	18508.80	1446.00	18508.80	
		Sub Total		**8740628**		**8740586**	
		GST 12%		**1048875**		**1048870**	
		Total		**9789503**		**9789456**	

Ramalingeswari

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

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